

Message Text

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45

ACTION OES-05

INFO OCT-01 EA-10 ISO-00 ACDA-10 CIAE-00 INR-07 IO-10 L-02

NSAE-00 NSC-05 FEAE-00 /050 W
----- 011156

R 130912Z FEB 75

FM AMEMBASSY TOKYO

TO ERDA GERMANTOWN

INFO SECSTATE WASHDC 7978

UNCLAS TOKYO 1885

E.O. 11652: N/A

TAGS: TECH, JA

SUBJECT: JAPAN CTR PROGRAM

HENOCH TO FRIEDMAN COPY HIRSCH

REF: STATE 0229

1. JAEC DESIGNATED CTR R&D AS "SPECIAL INTEGRATED ATOMIC ENERGY RESEARCH" (SIAER) FROM JFY 1968 THRU JFY 1974 (ENDS MARCH 31, 1975). JAEC'A NUCLEAR FUSION R&D COUNCIL RECOMMENDED IN JULY 1974 THAT CTR BE DESIGNATED SPECIAL ATOMIC ENERGY R&D-NATIONAL PROJECT. DESIGNATION AS NATIONAL PROJECT WOULD RAISE FUSION FROM PRIORITY COMPARABLE TO FOOD IRRADIATION (CURRENT SIAER PRIORITY) TO PRIORITY COMPARABLE TO FBR AND ATR R&D PROGRAMS, URANIUM ENRICHMENT AND NUCLEAR SHIP DEVELOPMENT (NATIONAL PROJECTS). DECISION WHETHER TO DESIGNATE AS NATIONAL PROJECT HAS NOT YET BEEN MADE.

2. FIST PHASE PROGRAM (THU FY 74) DIRECTED AT STABLE CONFINEMENT INTERMEDIATE BETA PLASMA AND STUDIES OF HIGH BETA PLASMAS.

3. SECOND PHASE (FY 75 THRU 79) PROGRAM DIRECTION DEPENDENT UPON JAEC CUNCIL RECOMMENDATIONS, BUT COUNCIL EXPECTED TO RECOMMEND DEVELOPMENT TOKAMAK CRITICAL PLASMA TEST SYSTEM (349 975075 FUSION REACTO) AND SYSTEMATIC STUDY CORE
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ENGINEERING.

4. COUNCIL ESTABLISHED FOLLOWING TARGET DATES:

- A1) START OPERATIN EXPERIMENTALFUSION REACTOR ABOUT 1990,
- 2) START OPERATION PROTOTYPE REACTOR ABOUT 1995,
- 3) START OPERATION DEMONSTRATION REACTOR ABOUT 2000.

5. FJY 75 FUNDING \$9.3 MILLION COMPARED TO JFY 74 FIGURE \$3.3 MILLION. FINANCE MINISTRY OPPOSED HIGH INCREASE IN FUNDING BUT STA DIRGEN AND FNMIN PERSONALLY REVIEWED AND APPROVED.

6. JAEC CUNCIL REVIEW OF THE CRITICAL PLASMA TESTING SYSTEM (CPTS) INDICATED A DEVELOPMENTAL COST FROM JFY 75 THROUGH 80 EQUIVALENT TO ALMOST \$270 MILLION. HAVE REQUESTED DETAILED COST DATA. WILL SEND AS SOON AS AVAILABLE.
HODGSON

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Message Attributes

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Margaret P. Grafeld
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